

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) A drug agent to repress transcription comprising a protein or a peptide of (1) to (4) as an effective component:
 - (1) a protein or a peptide having an amino acid sequence of SEQ ID NO: 1
 - (2) a protein or a peptide having an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity
 - (3) a protein or a peptide comprising the functional domain of an amino acid sequence of SEQ ID NO: 1
 - (4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of an amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.
2. (Original) The drug agent of claim 1, wherein said functional domain consists of amino acids 303-502 of SEQ ID NO: 1.
3. (Canceled)

4. (Original) A therapeutic product for hepatoma to repress transcription of genes expressed specifically in hepatoma cells, comprising a protein or a peptide of (1) to (4) as an effective component:

(1) a protein or a peptide having an amino acid sequence of SEQ ID NO: 1

(2) a protein or a peptide having an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.

5. (Original) The therapeutic product for hepatoma of claim 4, wherein said functional domain consists of amino acids 303-502 of SEQ ID NO: 1.

6. (Currently Amended) The therapeutic product for hepatoma of claim 4 or 5, wherein said genes are type II hexokinase or pyruvate kinase M gene.

7. (Original) A screening agent to screen drug agents with transcriptional repressor activity, comprising an antibody specific to a protein or a peptide of (1) to (4) as an effective component:

(1) a protein or a peptide having an amino acid sequence of SEQ ID NO: 1

(2) a protein or a peptide having an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.

8. (Original) The screening agent of claim 7, wherein said functional domain consists of amino acids 303-502 of SEQ ID NO: 1.

9. (Original) A protein or a peptide of (3) or (4):

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.

10. (Original) A protein or a peptide of (3) or (4) to repress transcription of genes expressed specifically in hepatoma cells:

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1 , and having a transcriptional repressor activity.

11. (Original) The protein or a peptide of claim 10, wherein said genes are type II hexokinase or pyruvate kinase M gene.

12. (Original) An antibody specific to a protein or a peptide of (3) or (4):

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1 , and having a transcriptional repressor activity.